

Claims:

1. A device for administering or for ingesting fluid or powdery substances (S) to a person, especially medical substances and/or food to children, with a receiving unit (2) for receiving the substance (S) to be administered and with a dispensing unit (4) connected to the receiving unit (2) which dispensing unit comprises a dispensing opening (8) for dispensing the substance (S) to the person, which device (1) has at least in parts an outer form not directly functionally related to the administration.

2. The device according to Claim 1, characterized in that the outer shape is designed to be attractive for children.

3. The device according to one of the preceding claims, characterized in that the outer shape corresponds to that of an animal, comic figure or a fantasy creature.

4. The device according to one of the preceding claims, characterized in that design elements (19a, 19b), especially extremities and/or other body parts of the animal, comic figure or fantasy creature are provided which can be grasped in a simple manner for holding the device fast.

5. The device according to one of the preceding claims, characterized in that the dispensing opening (8) is a part of the animal, comic figure or fantasy creature.

6. The device according to one of the preceding claims, characterized in that the dispensing opening (8) is designed to be introduced into the mouth (M) of a person, whose lips preferably surround the dispensing opening (8).

7. The device according to one of the preceding claims, characterized in that the dispensing opening (8) of the dispensing unit (4) and a receiving opening (6) of the receiving unit (2) for introducing the substance (S), an insert (10; 110; 35) and/or a container (25) into the receiving unit (2) are not identical.

8. The device according to one of the preceding claims, characterized in that the receiving unit (2) and/or the dispensing unit (4) are arranged in the device in such a manner that they are substantially not visible from the outside.

9. The device according to one of the preceding claims, characterized in that the receiving unit (2) and the dispensing unit (4) are designed in one piece or as independent parts.

10. The device according to one of the preceding claims, characterized in that the receiving unit (2) and the dispensing unit (4) can be connected non-positively to each other, especially with a clamp-, plug-, screw- or bayonet connection.

11. The device according to one of the preceding claims, characterized by a first insert (10; 110; 35) that can be inserted into the receiving unit (2), into

which insert the substance (S) or a container (25) containing the substance can be filled or inserted.

12. The device according to one of the preceding claims, characterized by a second insert (37) that can be inserted into the receiving unit (4) and through which the substance (S) passes to the receiving opening (8).

13. The device according to Claim 11 or 12, characterized in that first insert (35) and the second insert (37) can be connected non-positively to one another, especially by a clamp-, plug-, screw- or bayonet connection.

14. The device according to one of the preceding claims, characterized in that the receiving unit (2) and the dispensing unit (4) are connected positively and non-positively by a plastic substantially surrounding them, preferably using an injection-molding method, blow-out method or rotation method.

15. The device according to one of the preceding claims, characterized in that the receiving unit (2), the dispensing unit (4) and the part of the device comprising the outer shape are designed in one piece

16. The device according to one of the preceding claims, characterized in that the surfaces of the device coming in contact with the substance (S) consist of a food-resistant material.

17. The device according to one of the preceding claims, characterized in that that the receiving unit (2), the dispensing unit (4) and/or one or several

inserts (10; 110; 35, 37) for the receiving unit (2) and/or the dispensing unit (4) are manufactured from one of the following materials: glass, porcelain, aluminum, fine-grade steel, plastic.

18. The device according to one of the preceding claims, characterized in that the device part comprising the outer shape is manufactured substantially from one of the following materials: Plastic, cellulose, ceramic material, wood, fine-grade steel, aluminum.

19. The device according to one of the preceding claims, characterized by a first closure unit (7; 70; 170; 270) that can reversibly close the receiving unit (2).

20. The device according to one of the preceding claims, characterized by a second closure unit (5) that can reversibly close the dispensing opening (8).

21. The device according to Claim 19 or 20, characterized in that the first and/or the second closure unit (7; 70; 170; 270; 5) is/are designed as a cover, plug, movable closure unit or as a self-closing unit.

22. The device according to one of Claims 19 to 21, characterized in that the first respectively the second closure unit (7; 70; 170; 270; 5) is integrated into the second respectively the first closure unit (5, 7).

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23. The device according to one of the preceding claims, characterized in that it is designed in such a manner that liquid as well as gaseous substances (S) contained in a closed container (25) can be administered.

24. The device according to one of the preceding claims, characterized in that the receiving unit (2) can be closed with different closure units, in which case one closure unit (170; 270) can be used for dispensing liquid substances (S) and another closure unit (70) can be used for dispensing gaseous substances (S) from an insert (110; 35) or container (25) inserted in the receiving unit (2).

25. The device according to one of the preceding claims, characterized in that the first and/or the second closure unit (70; 5) and an insert (110) or a container are designed so that they can be connected to each other or in one piece.

26. The device according to one of the preceding claims, characterized by a transport device (20; 220) for transporting the substance (S) from the receiving unit (2), an insert (110; 35) and/or the container (25) to the dispensing opening (8).

27. The device according to Claim 26, characterized in that the transport device (20; 220) comprises a pump mechanism, especially including a stamp (24) or a piston (224).

28. The device according to Claim 26 or 27, characterized in that the transport device (20; 220) is integrated at least partially into the first or the second closure unit (7; 70; 170; 270; 5).

29. The device according to one of Claims 26 to 28, characterized in that the transport device (20; 220) can be coupled to a container (25) or insert (110; 35) introduced into the receiving unit (2) in order to administer the substance from the container (25) or insert (110; 35) upon actuation of the transport device (20; 220) via a flowthrough opening (12; 112) freed thereupon as well as subsequently via the dispensing opening (8).

30. The device according to one of Claims 26 to 29, characterized in that the walls of the receiving unit (2) are designed to be elastic in order to be able to transport the substance (S) at least partially to the dispensing opening (8) by compression.

31. The device according to one of the preceding claims, characterized in that the dispensing unit (4) comprises a hollow line (9) connecting the receiving unit (2) and the dispensing opening (8) to one another.

32. The device according to Claim 31, characterized in that the hollow line (9) runs upward at least in sections toward the dispensing opening (8) when the device (1) is placed on a horizontal surface.

33. The device according to one of the preceding claims, characterized by flow regulating means (30; 27; 128) for preventing an undesired exiting of the substance from the dispensing opening (8).

34. The device according to Claim 33, characterized in that the flow regulating means (30) open by pressure and/or suction in the direction of the dispensing of the substance.

35. The device according to Claim 33 or 34, characterized in that a flow regulating means (30) is designed as a thin membrane that can be deflected by pressure and/or suction and is preferably arranged in the hollow line (9).

36. The device according to Claim 33 or 34, characterized in that a flow regulating means (30; 27; 128) is formed by a valve (27; 128) that can be opened by manual actuation.

37. The device according to one of the preceding claims, characterized by sealing means (32) for purposefully conducting the substance to be administered from an insert (10; 110) or a container (25) to the dispensing opening (8).

38. The device according to Claim 37, characterized in that the sealing means (32) are designed as O-rings resting on the one hand on the inner wall of the receiving unit (2) and on the other hand on the outer wall of an insert (10; 110) or of a container (25).

39. The device according to one of the preceding claims, characterized in that the receiving unit (2) can be filled from above with the substance (S) when the device is placed on a horizontal surface.

40. The device according to one of the preceding claims, characterized by an injection device in the vicinity of the dispensing opening (8) for injecting the substance (S) with a needle or by overpressure.

41. The device according to one of the preceding claims, characterized in that it can be reused and is washing-machine-proof.

42. A replacement element for replacement in the device according to one of the preceding claims, designed in particular as a replaceable receiving unit (2), as a replaceable dispensing unit (4), as a replaceable insert (10; 110; 35, 37) for the replacement unit (2) and/or the dispensing unit (4) or as a replaceable closure unit (5; 7; 70; 170; 270).

43. The using of a device in accordance with one of the preceding claims for administering medical substances to children.

44. The using of a device in accordance with one of the preceding claims for administering food to children.